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FIG.1

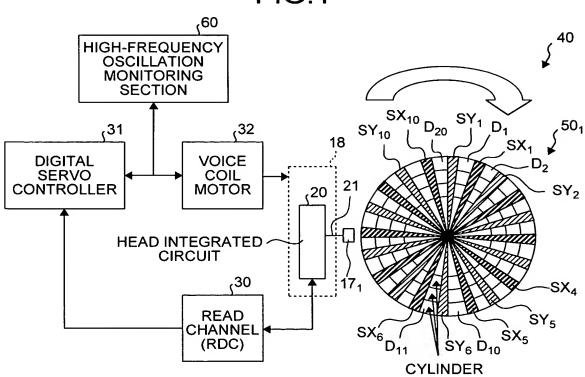
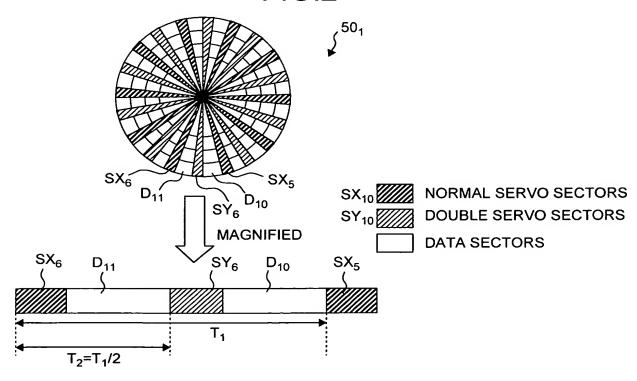


FIG.2

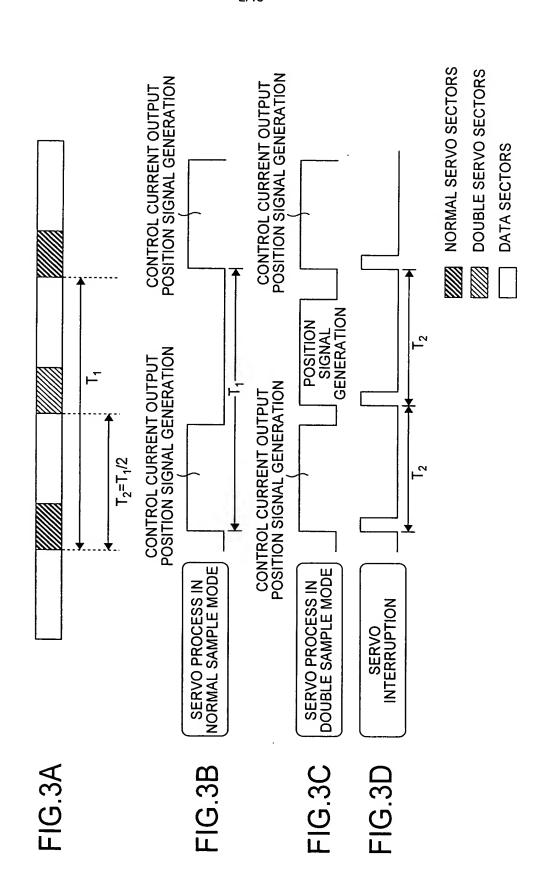


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FIG.4

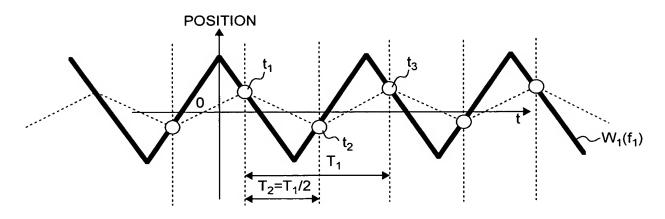
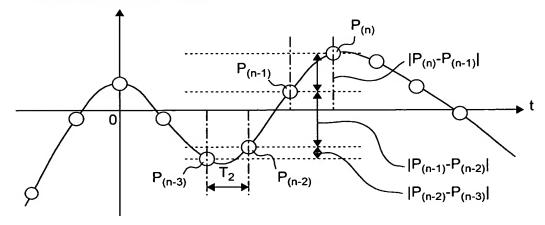
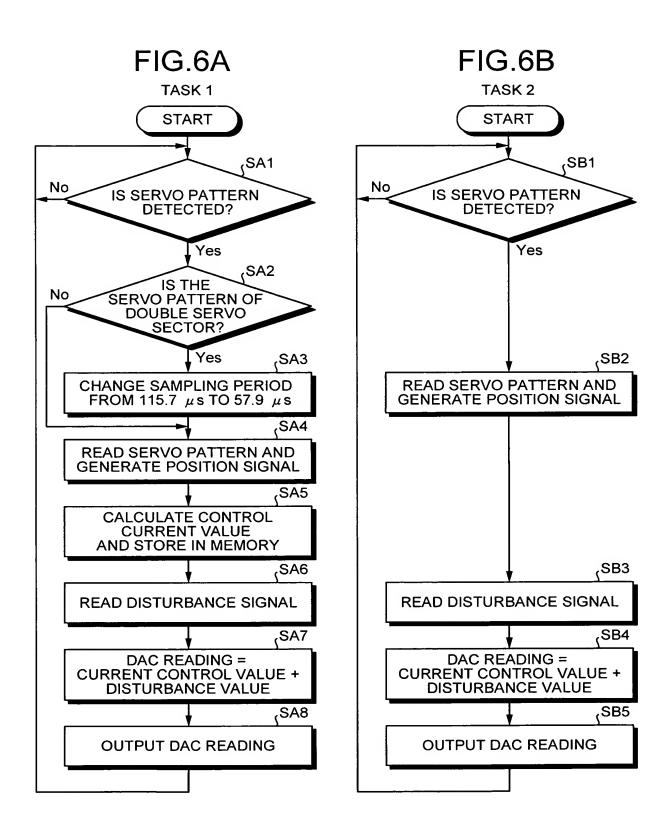


FIG.5

POSITION SIGNAL LEVEL





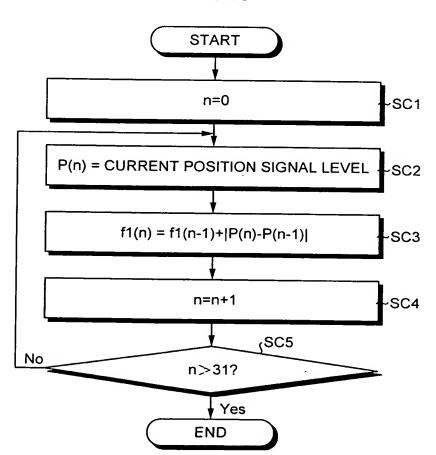
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FIG.7

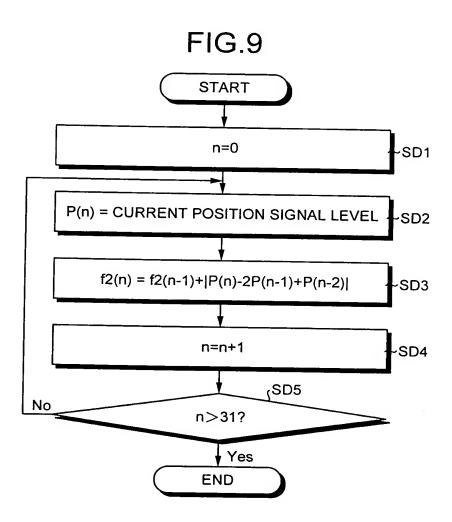
$$f1(n) = \sum_{n=0}^{31} |P(n)-P(n-1)|$$
 (1)

$$f2(n) = \sum_{n=0}^{31} |P(n)-2P(n-1)+P(n-2)| \qquad (2)$$

FIG.8

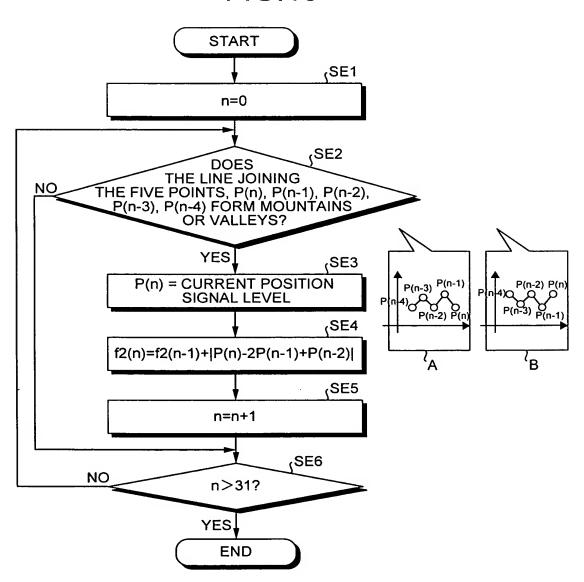


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FIG.10



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FIG.11A

METHOD 1	METHOD 2	METHOD 3	MAX METHOD 1	MAX METHOD 2	MAX METHOD 3
9752	9607	4046	0.20837		0.17588

FIG.11B

POSITION SIGNAL LEVEL

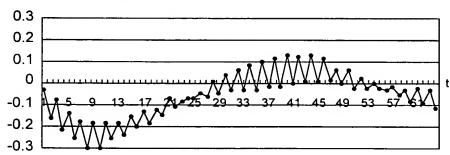
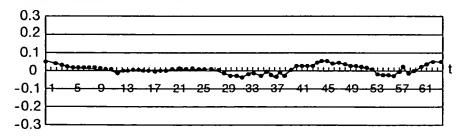


FIG.12A

METHOD 1	METHOD 2	METHOD 3	MAX METHOD 1	MAX METHOD 2	MAX METHOD 3
1429	1392	1638	0.03845	0.03368	0.03368

FIG.12B

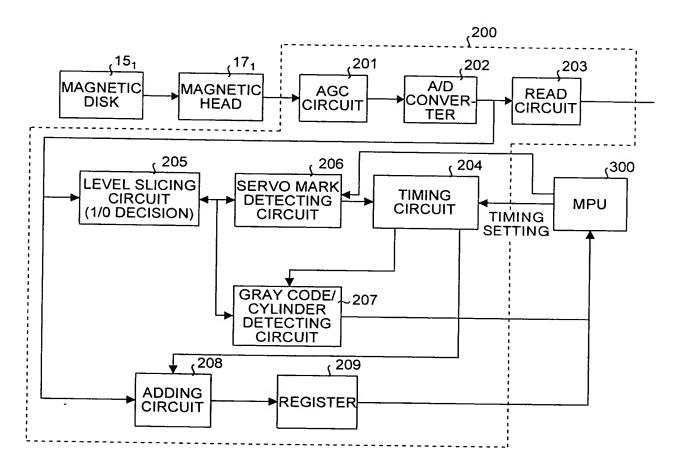
POSITION SIGNAL LEVEL



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FIG.13



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FIG.14

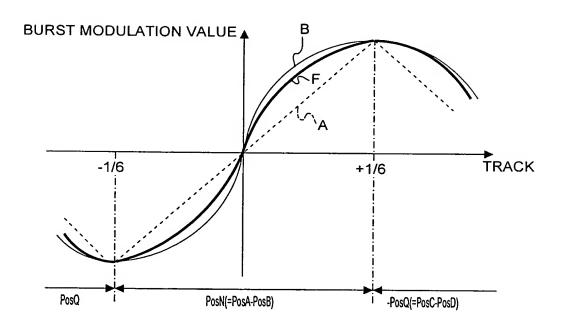
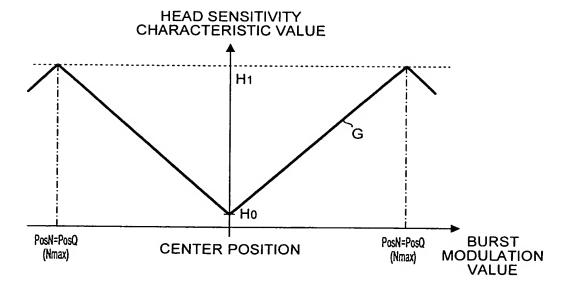


FIG.15



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FIG.16

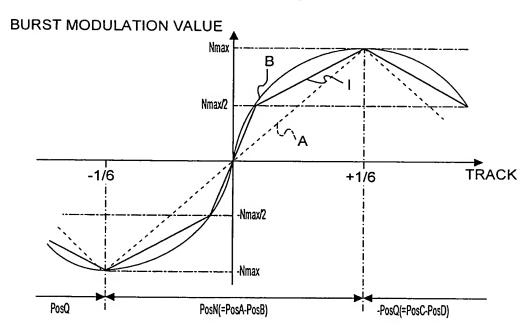
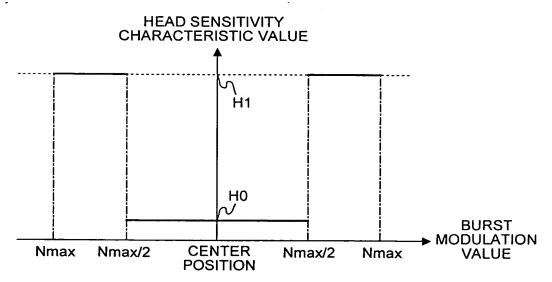
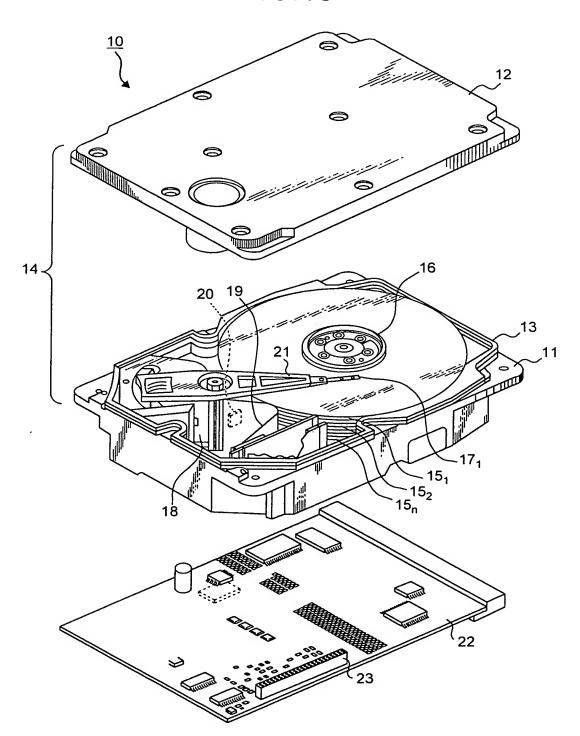


FIG.17

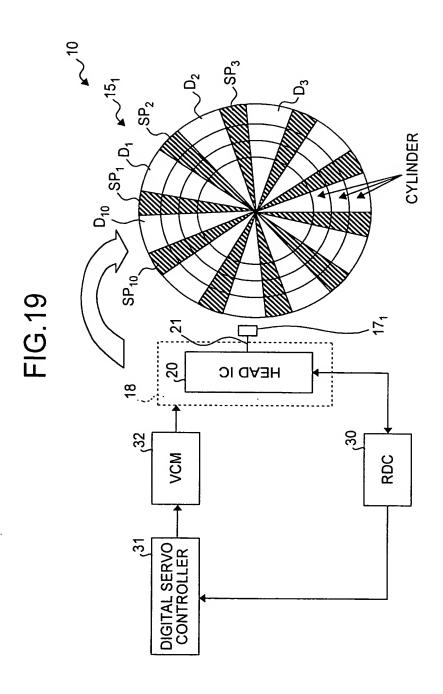


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FIG.18



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FIG.20

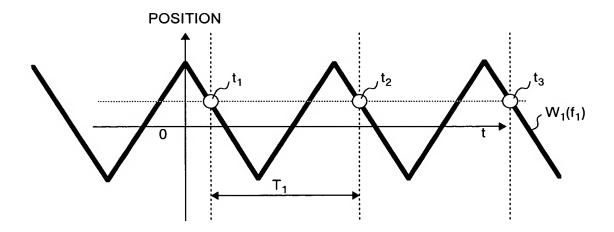
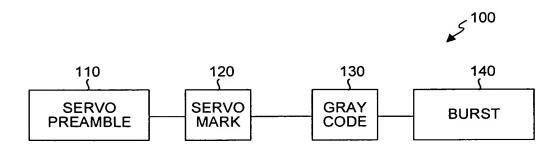


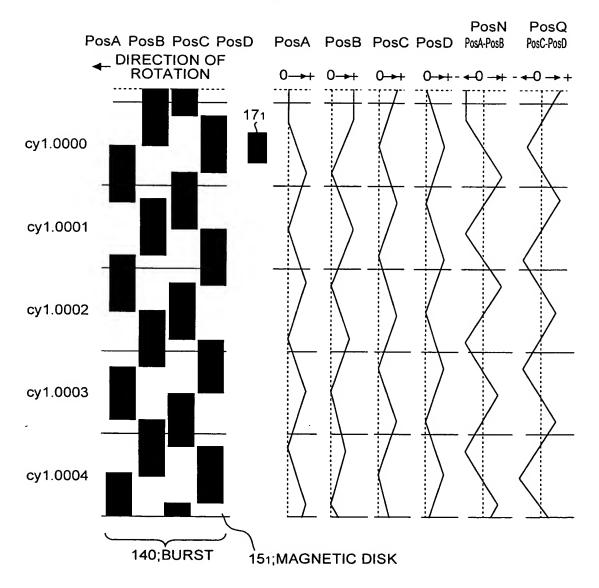
FIG.21



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FIG.22



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FIG.23

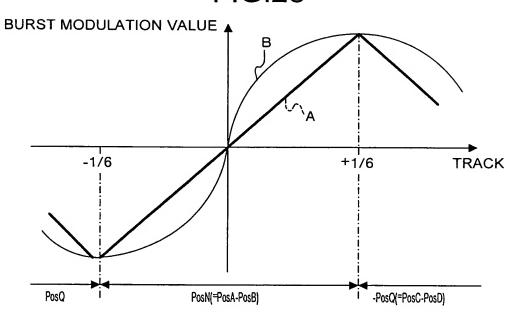


FIG.24

